



ISHRAE
PUNE Chapter

Presents

2 Day Training Program In Energy Simulation Using Energy Plus

**Week-End
Program!
In Pune!**

- Dates & Time : 02-Aug & 03-Aug, 2008. From 10 AM to 5 PM
- Venue : ISHRAE Office [Seminar Hall] - 407 K K Market, Bibvewadi Pune
- Fees : Rs.3000 / Rs.2000 for ISHRAE non/members incl Lunch/Tea on both days
- Program Conducted By : Mr S V Gogate [BE, MBA, Past President ISHRAE Pune]

Program FAQ Answers to Most Common Questions . . .

What is Energy Simulation?

Energy Simulation is a technique to model & predict [simulate] the ENERGY flows in a existing / proposed building taking into account its location, orientation, construction details, usage, indoor climatic conditions desired, power inputs, lighting requirements etc for 24 hrs x 365 days of a year.

Why do you need Energy Simulation?

With ever-rising power costs & the impact of man-made structures on the ENVIRONMENT, building GREEN is no longer a fashion, but a Environmental & Economic compulsion. Knowledge of the energy/water usage patterns of future buildings is extremely vital. Based on the new ECBC rules, new buildings & major renovations need to be ECBC compliant. Therefore, simulating for energy has no option.

What is Energy plus?

E+ is a validated & free simulation engine developed by the US DOE [United States, Dept of Energy].

Who would benefit from this program?

All stake-holders of a building project - owners / architects / hvac consultants & design engineers / interior designers / electrical consultants & design engineers / BMS vendors / plumbing consultants etc can understand the impact of parameters such as location, orientation, construction materials, usage patterns, hvac systems, operation & controls, lighting & power usage patterns etc on the overall building energy usage on 24 h x 365 d basis.

Is there any special pre-qualification for the program?

Very simply, you need to be a stake-holder & you need basic computer software background i.e. you should be familiar with text files, spreadsheets & web browsing. You do need to have a laptop, during the training program, if you intend to work-out the examples being discussed.

What is the program format?

Day 1 will focus on the various input / output parameters along with features of E+, with some basic examples. Day 2 will lead to simulating buildings & analyzing effects of various parameters on building energy. Third party GUI shall also be used for ease of modeling. Spreadsheets & CAD viewers shall be used to better understand E+ outputs.

- For Registration & Other Queries :

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